

2011-01-20 Thursday Morning Notes

Thursday, January 20, 2011
7:31 AM

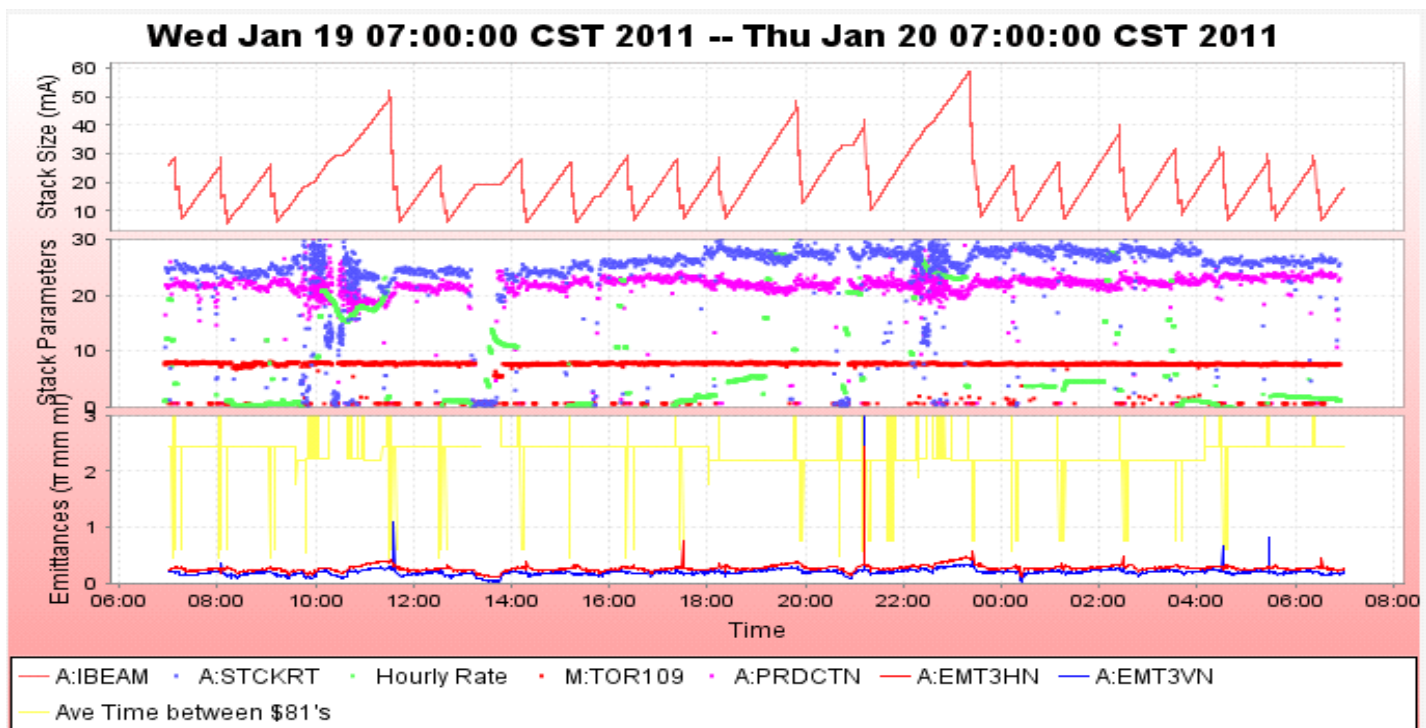
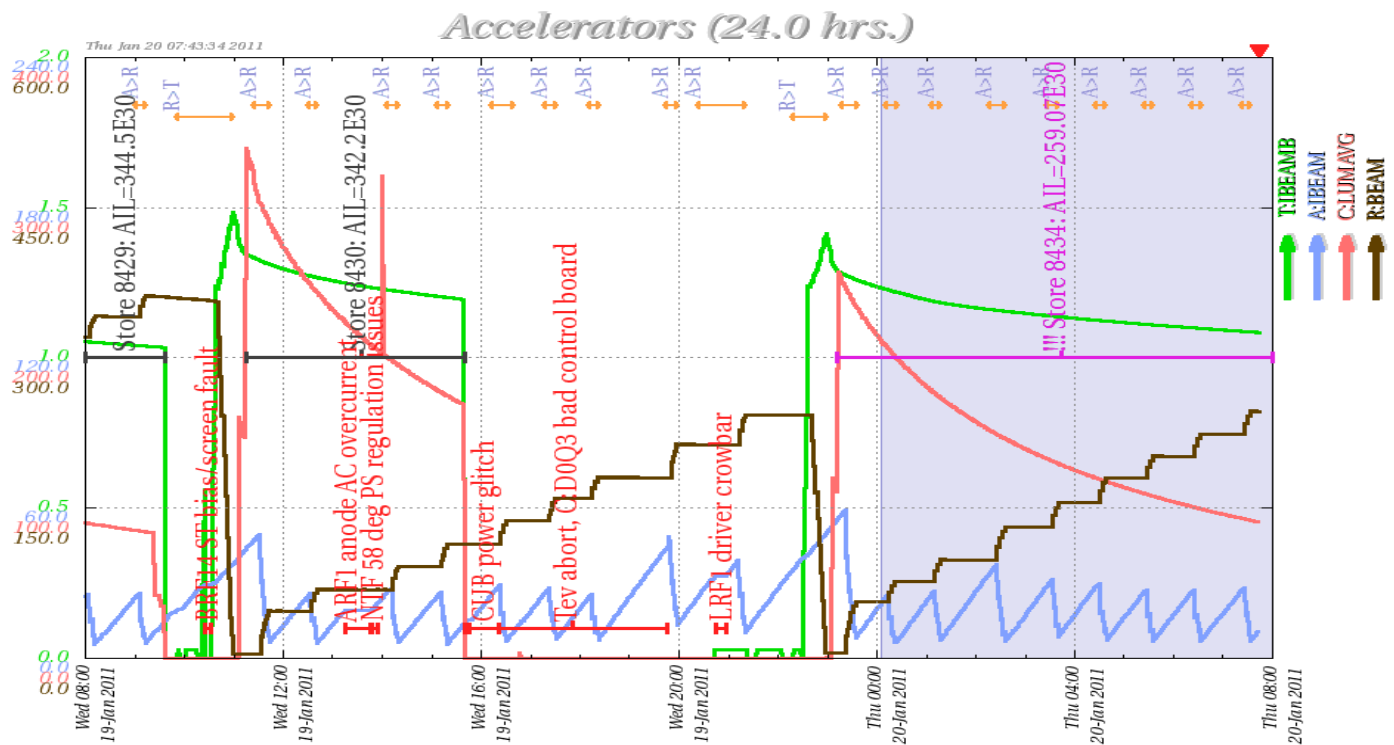
Stacking and Transfers

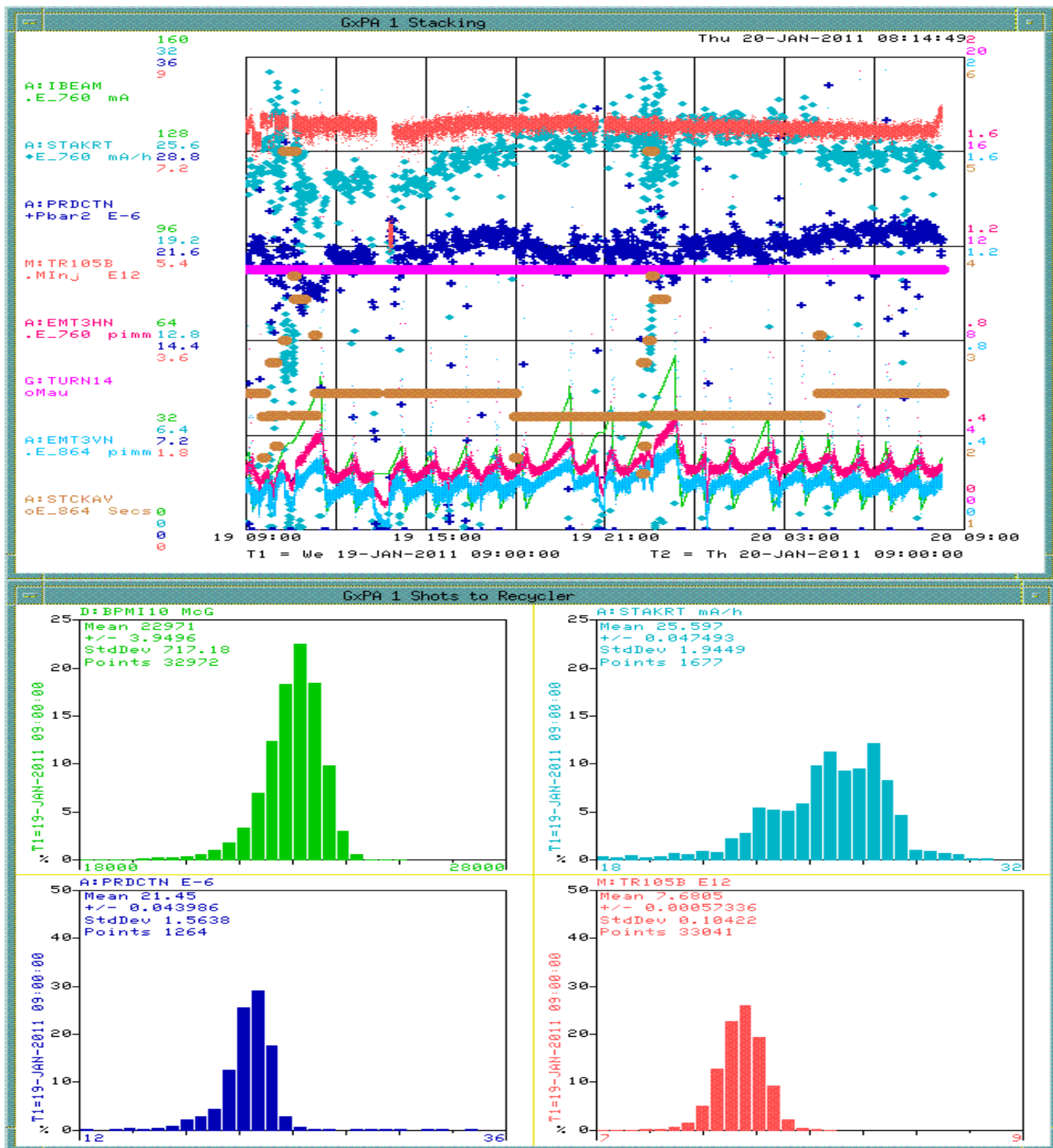
Interesting Stuff

Numbers

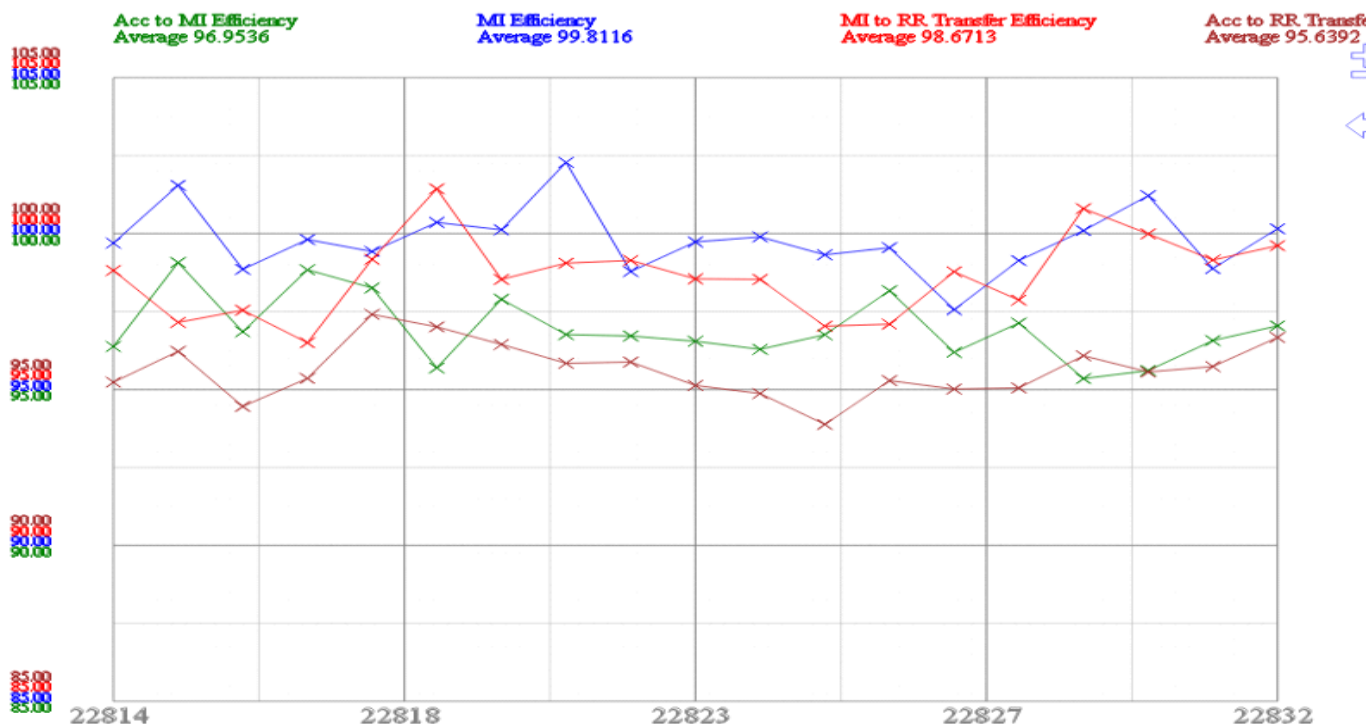
- Stacking
 - Pbars stacked: 556.85 E10
 - Time stacking: 23.41 Hr
 - Average stacking rate: 23.78 E10/Hr
- Uptime
 - Number of pulses while in stacking mode: 35355
 - Number of pulses with beam: 34273
 - Fraction of up pulses was: 96.94%
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 22.70 Hr
 - Possible average stacking rate: 24.54 E10/Hr
 - Could have stacked: 574.43 E10/Hr
- Recycler Transfers
 - Pbars sent to the Recycler: 556.67 E10
 - Number of transfers : 63
 - Number of transfer sets: 20
 - Average Number of transfer per set: 3.15
 - Time taken to shoot including reverse proton tuneup: 00.22 Hr
 - Transfer efficiency: 94.90%
- Other Info
 - Average POT : 7.66 E12
 - Average production: 21.21 pbars/E6 protons

Plots





Column 1 Number _0_Pbar Transfer Shot #	Column 4 Number_3_Transfer Time	Column 21 Number _20_A:1 BEAMB sampled on \$91 (A:BEA M7), E10	Column 22 Number _21_A:1 BEAMB sampled on \$94 (A:BEA M9), E10	Unstacked (mA)	Column 23 Number _22_R: BEAMS (R:BEA ME0[0]) pre sfer E10	Column 24 Number _23_R: BEAM (R:BEA ME0[1]) post sfer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Transfers	Sets	Column 5 Number_4_Acc Horizontal Emittance	Column 6 Number_5_Acc Vertical Emittance	Column 8 Number_7_Acc Longitudinal Emittance	
Totals =>				539.57			514.75	95.40%	97.05%	96.88%	94.03%	61	19	2.7055	1.8591	1.9475	
Daily Average =>				539.57			514.75					61	19				
22833	Thursday, January 20, 2011	7:26	28.56	6.76	24.39	223.72	246.86	23.49	96.29%	98.28%	98.84%	97.15%	3	1	2.625	1.774	1.949
22832	Thursday, January 20, 2011	6:25	27.68	6.58	23.69	201.60	224.17	22.94	96.84%	97.13%	97.72%	94.92%	3	1	2.562	1.786	1.969
22831	Thursday, January 20, 2011	5:27	27.76	6.81	23.54	179.84	202.08	22.51	95.62%	96.83%	95.81%	92.78%	3	1	2.602	1.882	1.97
22830	Thursday, January 20, 2011	4:30	30.30	6.72	26.11	155.52	180.22	24.96	95.61%	96.24%	97.08%	93.43%	3	1	2.744	1.935	1.933
22829	Thursday, January 20, 2011	3:33	31.83	8.29	26.20	131.01	155.82	25.17	96.08%	95.90%	95.92%	91.99%	3	1	2.762	1.929	1.96
22828	Thursday, January 20, 2011	2:25	37.55	6.36	35.02	98.36	131.27	33.32	95.14%	97.19%	96.76%	94.04%	4	1	2.818	1.693	1.96
22827	Thursday, January 20, 2011	1:10	27.14	6.99	22.83	76.94	98.54	21.72	95.16%	96.13%	94.18%	90.54%	3	1	2.677	1.881	1.97
22826	Thursday, January 20, 2011	0:14	25.77	6.40	21.93	56.34	77.07	20.94	95.51%	97.92%	97.60%	95.57%	3	1	2.604	1.887	1.961
22825	Wednesday, January 19, 2011	23:21	59.04	7.97	56.31	5.00	56.60	52.50	93.23%	96.41%	96.14%	92.69%	5	1	3.43	2.384	1.932
22824	Wednesday, January 19, 2011	21:13	39.58	10.00	32.16	213.18	243.47	30.57	95.04%	96.33%	96.37%	92.83%	3	1	2.848	2.042	1.907
22823	Wednesday, January 19, 2011	19:50	46.07	12.73	36.02	180.28	213.90	34.26	95.11%	96.89%	96.34%	93.34%	3	1	3.233	2.176	1.93
22822	Wednesday, January 19, 2011	18:14	26.07	7.10	22.05	159.99	180.79	21.18	96.05%	96.74%	95.62%	92.51%	3	1	2.572	1.766	1.977
22821	Wednesday, January 19, 2011	17:23	28.23	7.06	23.86	137.62	160.24	22.94	96.13%	96.71%	98.43%	95.19%	3	1	2.578	1.798	1.955
22820	Wednesday, January 19, 2011	16:22	29.27	6.68	25.19	113.97	137.95	24.21	96.14%	98.12%	97.71%	95.87%	3	1	2.594	1.794	1.944
22819	Wednesday, January 19, 2011	15:12	26.74	5.64	23.51	91.89	114.33	22.74	96.72%	96.37%	96.37%	92.87%	3	1	2.475	1.583	1.932
22818	Wednesday, January 19, 2011	14:11	28.14	6.00	24.54	68.63	91.99	23.74	96.75%	98.67%	97.66%	96.36%	3	1	2.418	1.663	1.944
22817	Wednesday, January 19, 2011	12:33	26.05	5.73	22.77	47.23	68.77	21.68	95.24%	98.24%	98.13%	96.41%	3	1	2.35	1.61	1.953
22816	Wednesday, January 19, 2011	11:32	49.55	6.11	46.81	4.03	47.42	44.07	94.15%	96.85%	96.38%	93.34%	4	1	3.009	1.928	1.888
22815	Wednesday, January 19, 2011	9:05	26.10	5.91	22.65	340.73	362.25	21.81	96.29%	98.57%	99.76%	98.33%	3	1	2.504	1.641	1.969



GxPA 1 Lumberjack Plot										D:\CHWST									
										Thu 20-JAN-2011 08:00:22									
D:\CHWST										100									
◆CUB																			
DegF																			

